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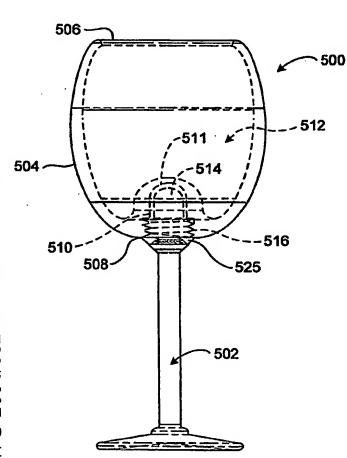
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[Continued on next page]

(54) Title: DRINKING VESSELS WITH REMOVABLE COOLING DEVICES



(57) Abstract: In one embodiment, a beverage container comprises a vessel having an interior that is adapted to hold a beverage. The vessel has a closed bottom end and an open top end. The bottom end defines a cavity that is fluidly sealed from the interior of the vessel. A cooling element is configured to be coupled to the vessel and to fit within the cavity. A base comprises a bottom member and a stem extending vertically upward from the bottom member. The base includes a connector that is configured to be coupled to the cooling element or vice versa.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/07746

A CLASS	SIFICATION OF SUBJECT MATTER				
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : F25D 03/08					
US CI · 62/457.3, 530					
According to	International Patent Classification (IPC) or to both nati	ional classification and IPC			
B. FIELD	DS SEARCHED				
Minimum doc	cumentation searched (classification system followed by	y classification symbols)			
U.S. : 62	2/457.3, 530, 457.4, 457.1, 371, 438, 529; 220/709, 7	39			
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Electronic dat	ta base consulted during the international search (name	of data base and, where practicable, sear	cn terms used)		
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C. DOCU	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap		Relevant to claim No.		
A	US 6,474,096 B1 (DE LA GUARDIA) 5 November	2002 (05.11.2002), see entire	1,14		
	document.	01 1007) and desire desired	1,14		
A	US 5,597,087 A (VINARSKY) 28 January 1997 (28.	.01.1997), see entire document.	1,14		
A	US 5,467,877 A (SMITH) 21 November 1995 (21.11	.1995), see entire document.	1,14		
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A	US 5,189,892 A (ROBERTS) 2 March 1993 (02.03.1993), see entire document.		1,14		
A	US 5,044,173 A (CHENG) 3 September 1991 (03.09.1991), see entire document.		1,14		
A	US 4,765,393 A (BAXTER) 23 August 1988 (23.08.1988), see entire document.		1,14		
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Further	r documents are listed in the continuation of Box C.	See patent family annex.			
	Special categories of cited documents:	TT: later document published after the inte	rnational filing date or priority		
1		date and not in conflict with the applic	cation but cited to understand the		
	t defining the general state of the art which is not considered to be	principle or theory underlying the inve			
"E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	claimed invention cannot be ered to involve an inventive step		
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establish	the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive ste	p when the document is		
specified)		combined with one or more other such	h documents, such combination		
"O" documen	t referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in th			
-P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent			
Date of the actual completion of the international search		Date of mailing of the international sear	ch report		
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04 May 2005 (04.05.2005) Name and mailing address of the ISA/US		Authorized officer	Hell		
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Commissioner for Patents		Chen-Wen Jiang	7001		
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/07746

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This Internat Please See C	ional Searching Authority found multiple inventions in this international application, as follows: ontinuation Sheet			
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4. Kemark on	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-19 Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.			

INTERNATIONAL	SEARCH	REPORT
HALEKIMALIONAL	STATE	

International application No.
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BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In order for more than one species to be examined, the appropriate additional examination fees must be paid. The species are as follows:

Species I: beverage container having cavity, cooling element coupled to vessel, stem and tray.

Species II: beverage container having vessel, cooling element within a cavity and stem.

Species III: beverage container having vessel, hemispherical cavity, hemispherical cooling element and base connector.

Species IV: beverage container having vessel, cavity, cooling element and tray.

The claims are deemed to correspond to the species listed above in the following manner:

Species I: claims 1-19 Species II: claims 20-24 Species III: claims 25-27 Species IV: claims 28-32

The following claim(s) are generic: no claims are considered generic.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: cooling element has different coupling feature, vessel has different characteristics and container includes different limitations.